

FIG. 1

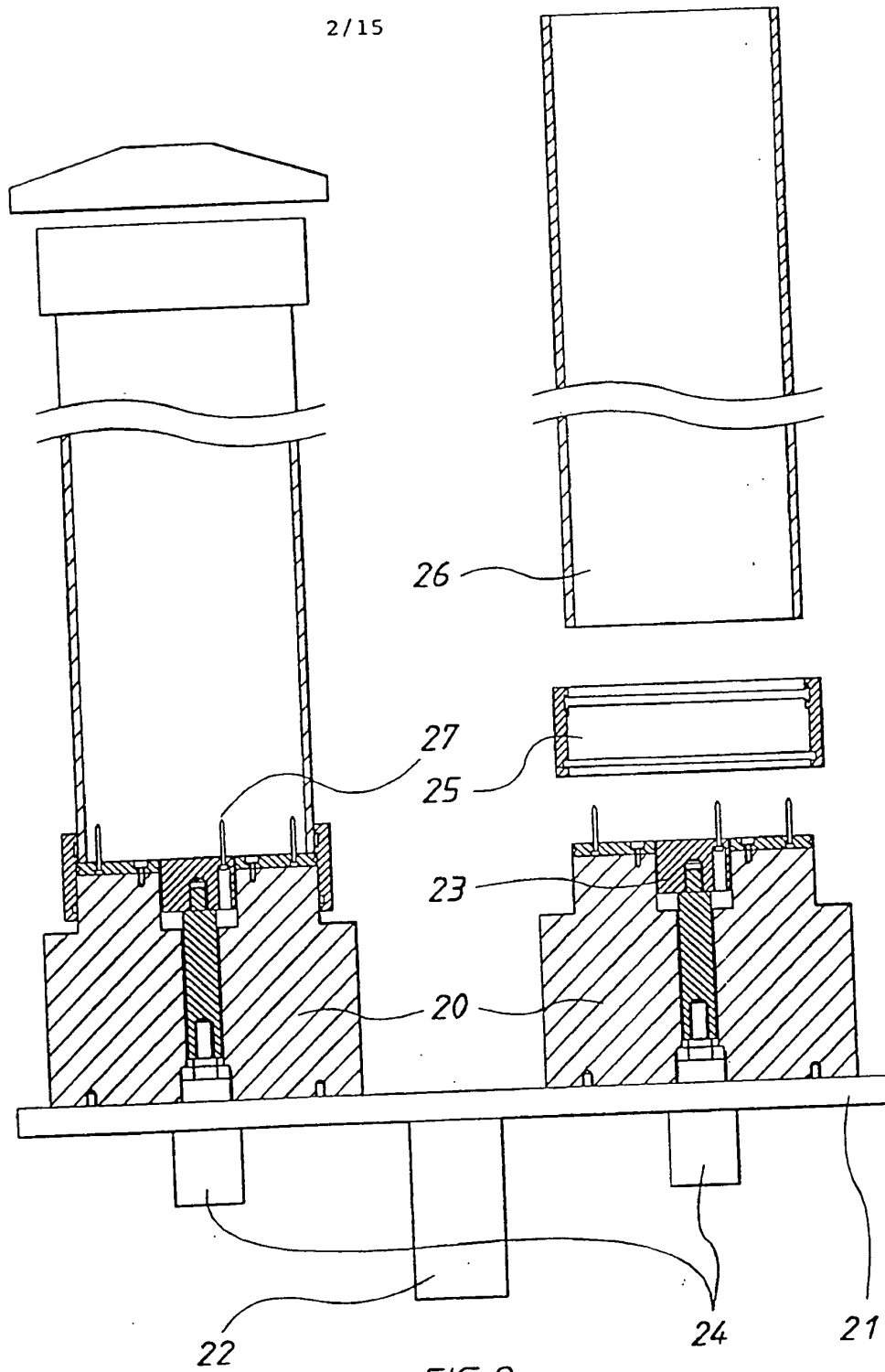


FIG. 2

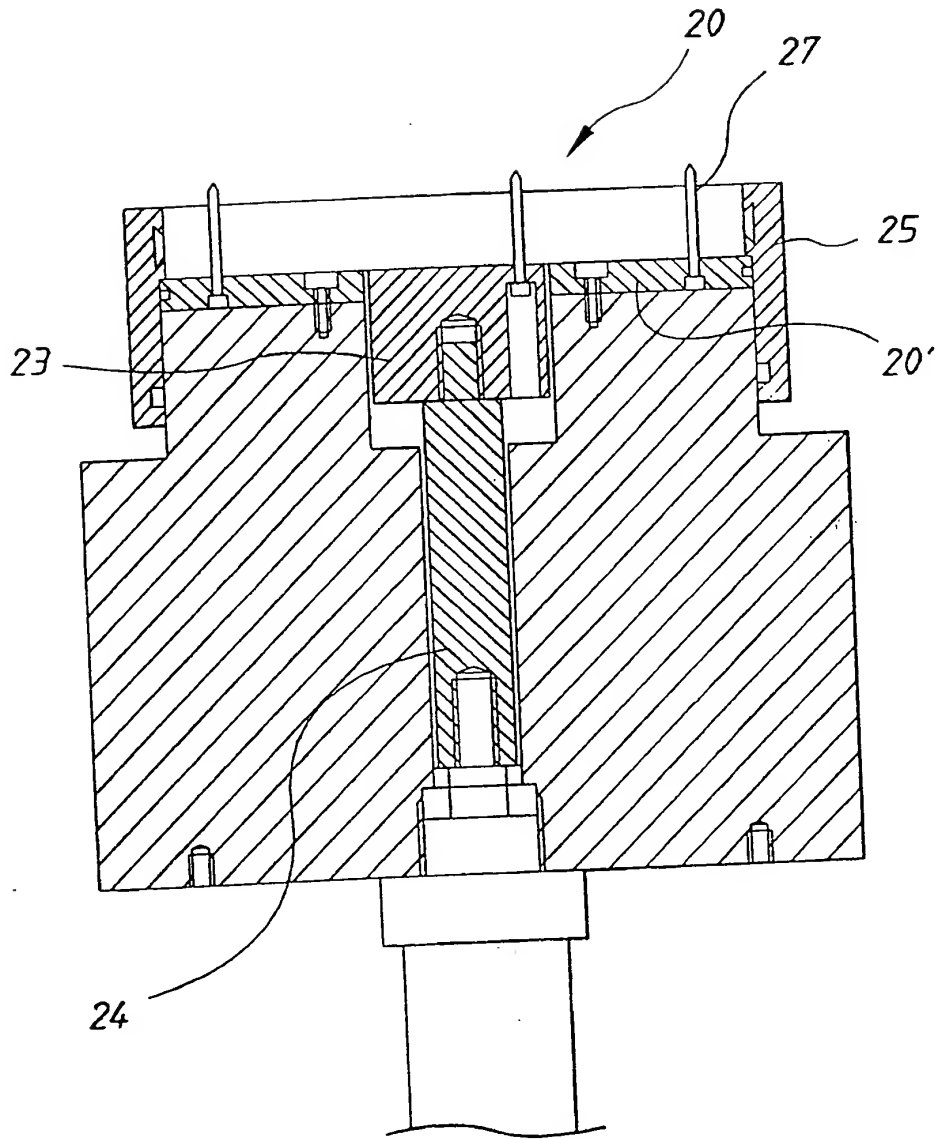


FIG.3

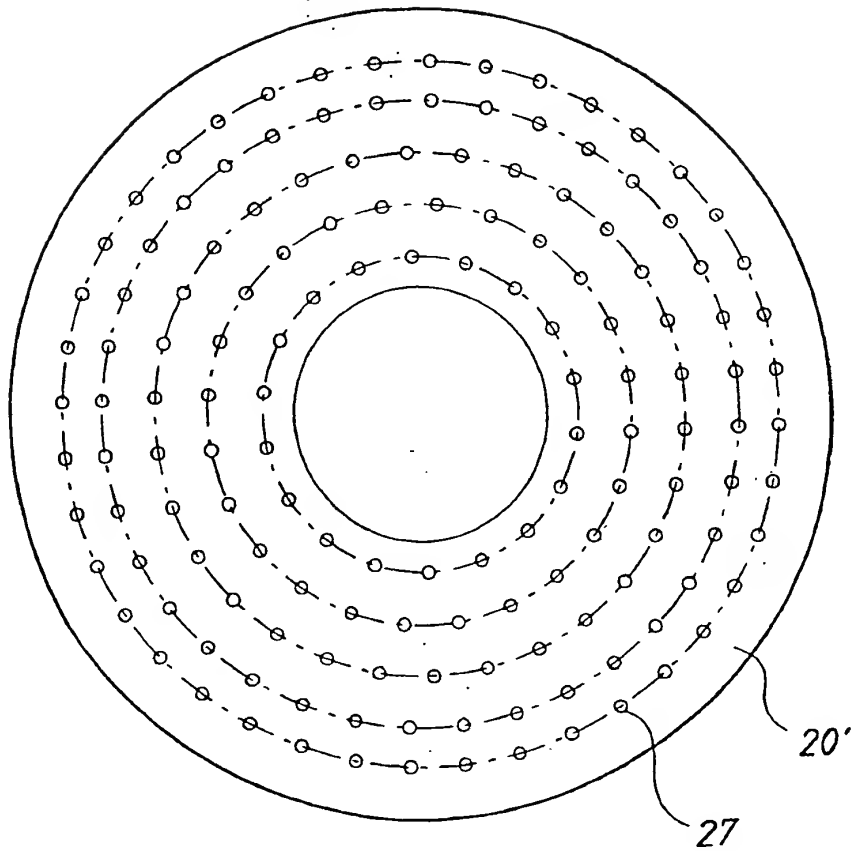


FIG. 4A

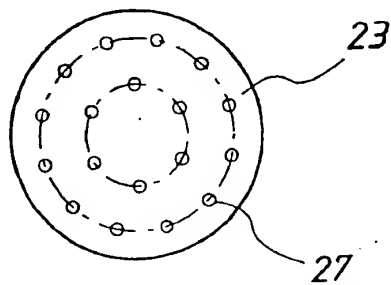


FIG. 4B

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AUTOMATED SUCTION PROCESS

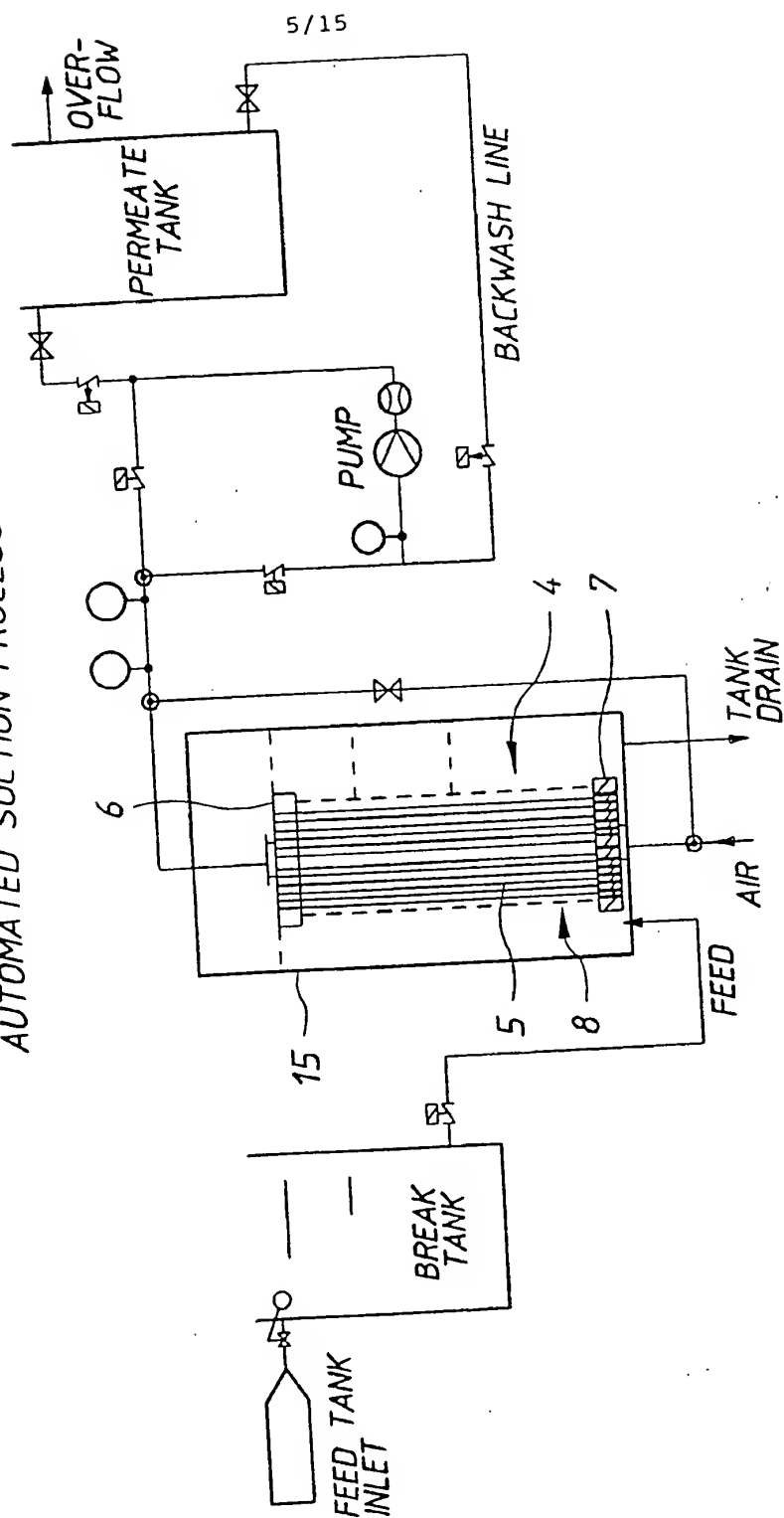
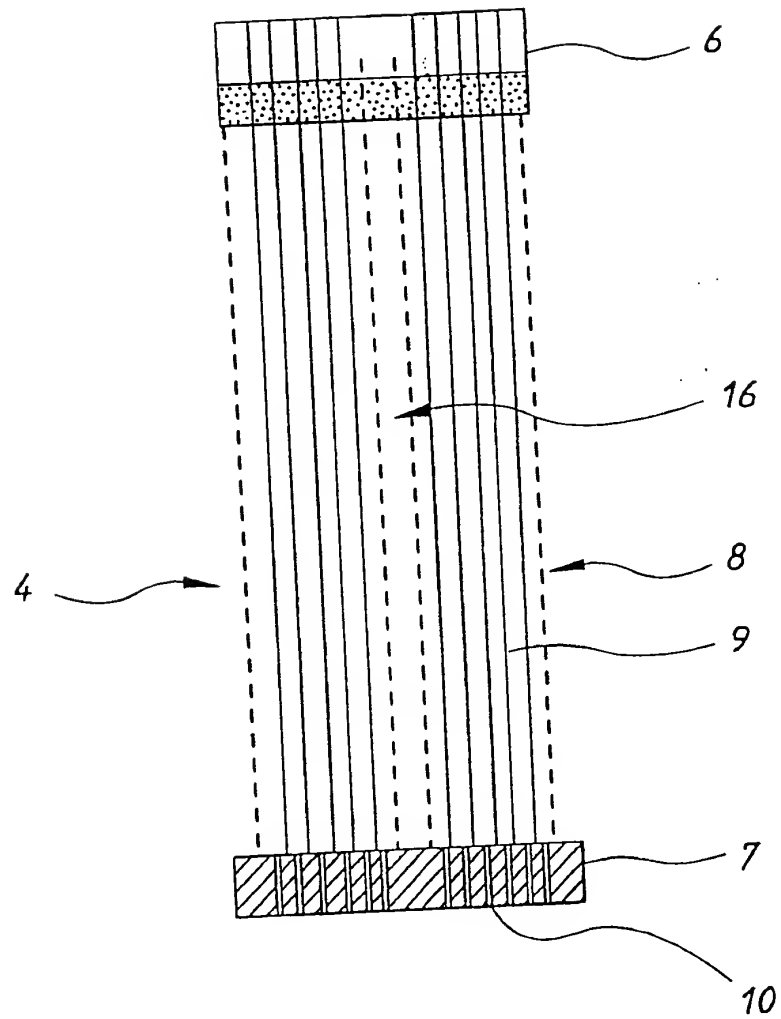
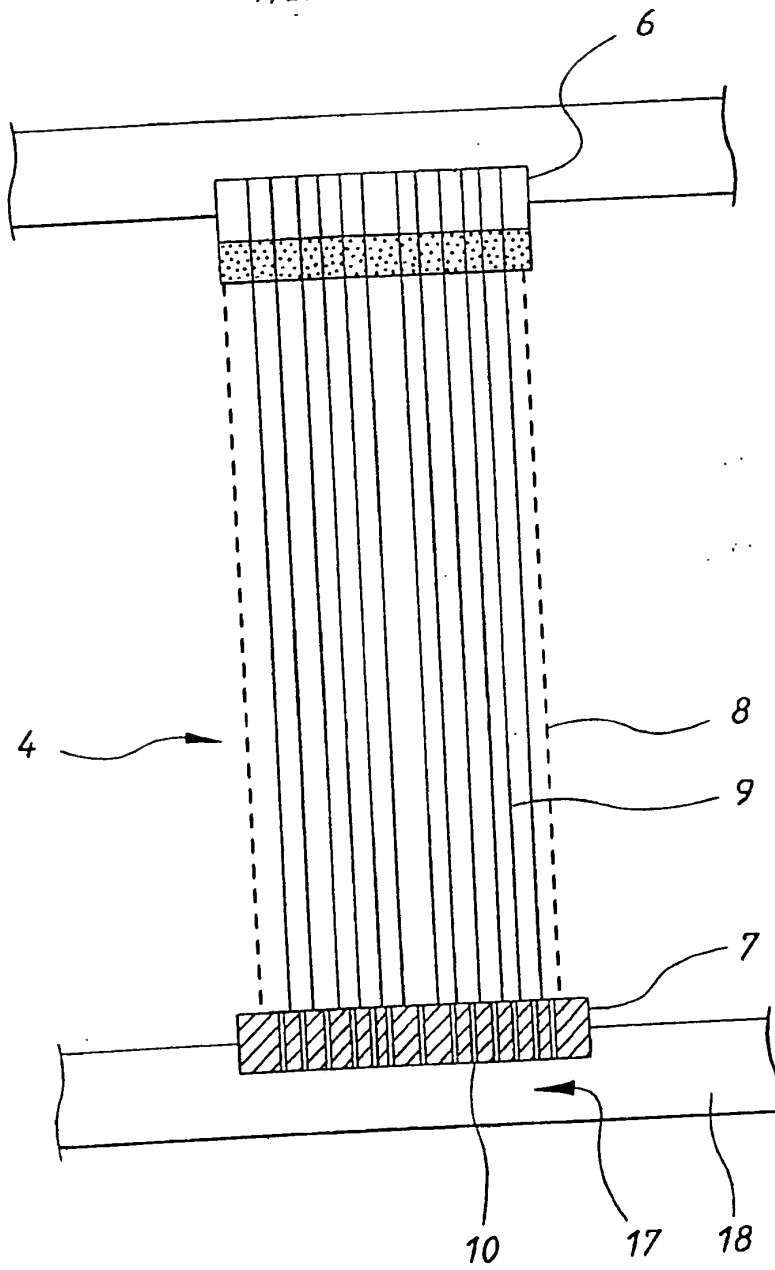


FIG.5

FIG. 6

FIG. 7

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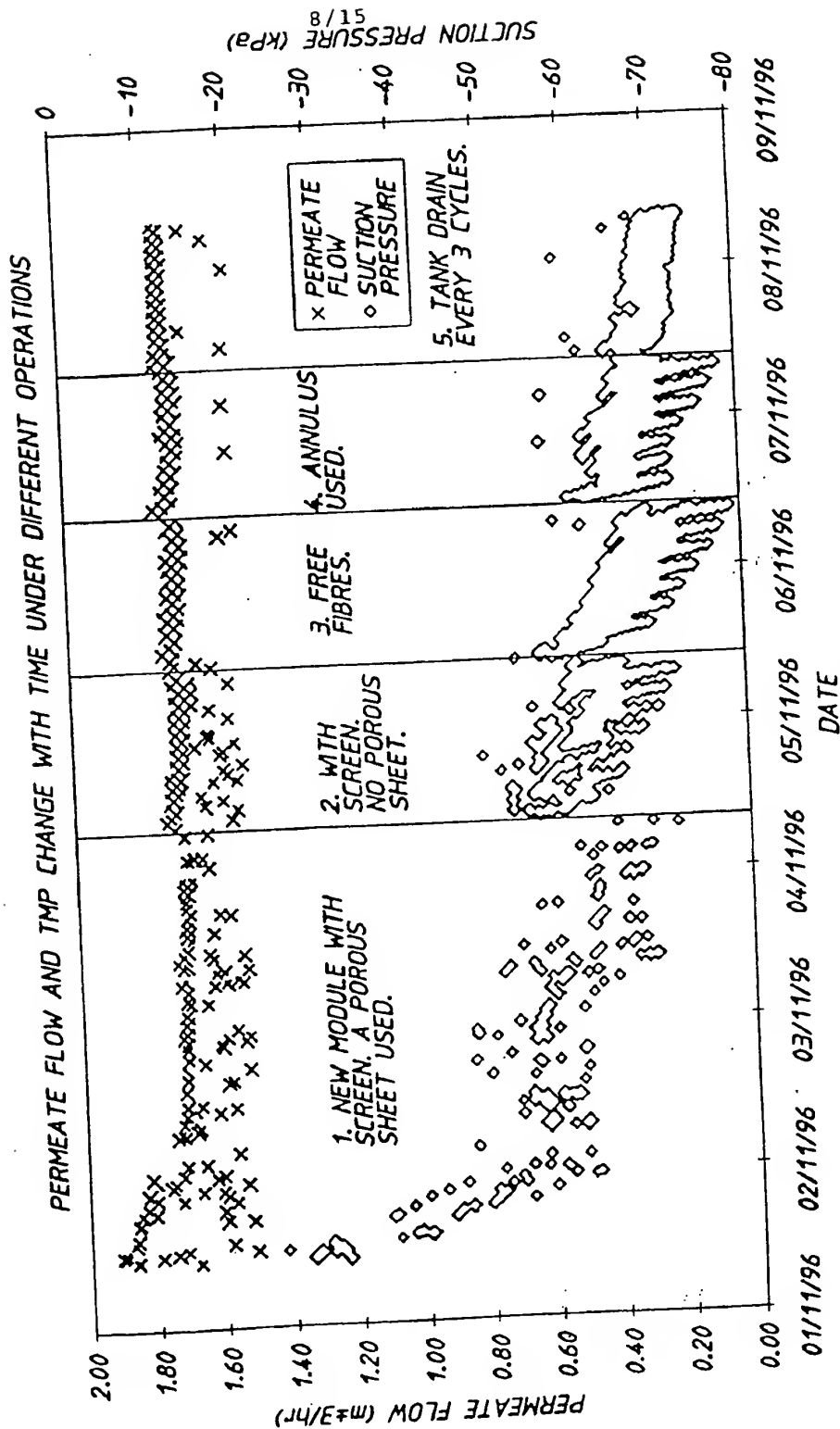


FIG.8A

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SUCTION RESISTANCE CHANGE WITH TIME UNDER DIFFERENT OPERATIONS

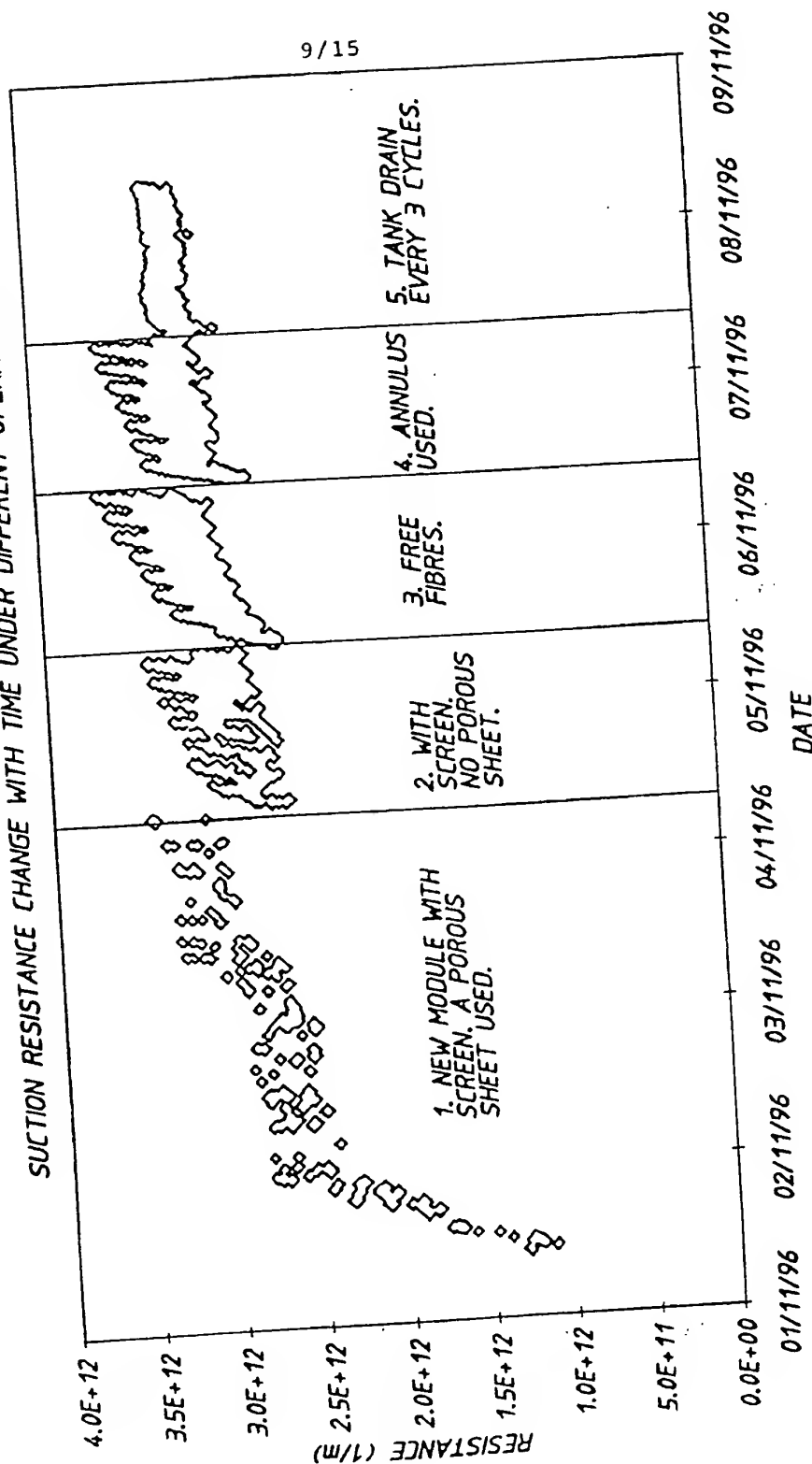


FIG. 8B

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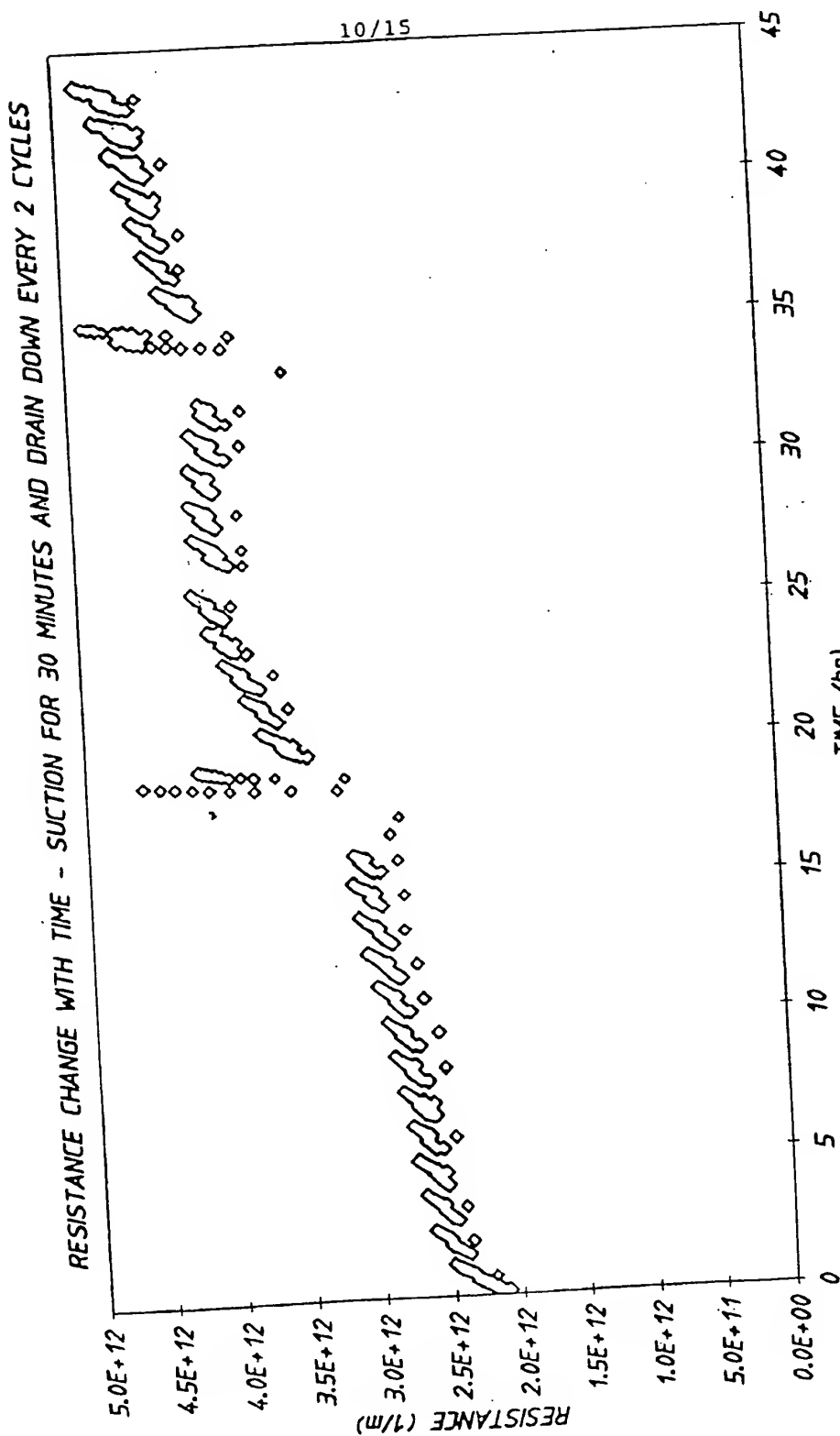


FIG.9

RESISTANCE CHANGE WITH TIME WITHOUT POROUS SHEET

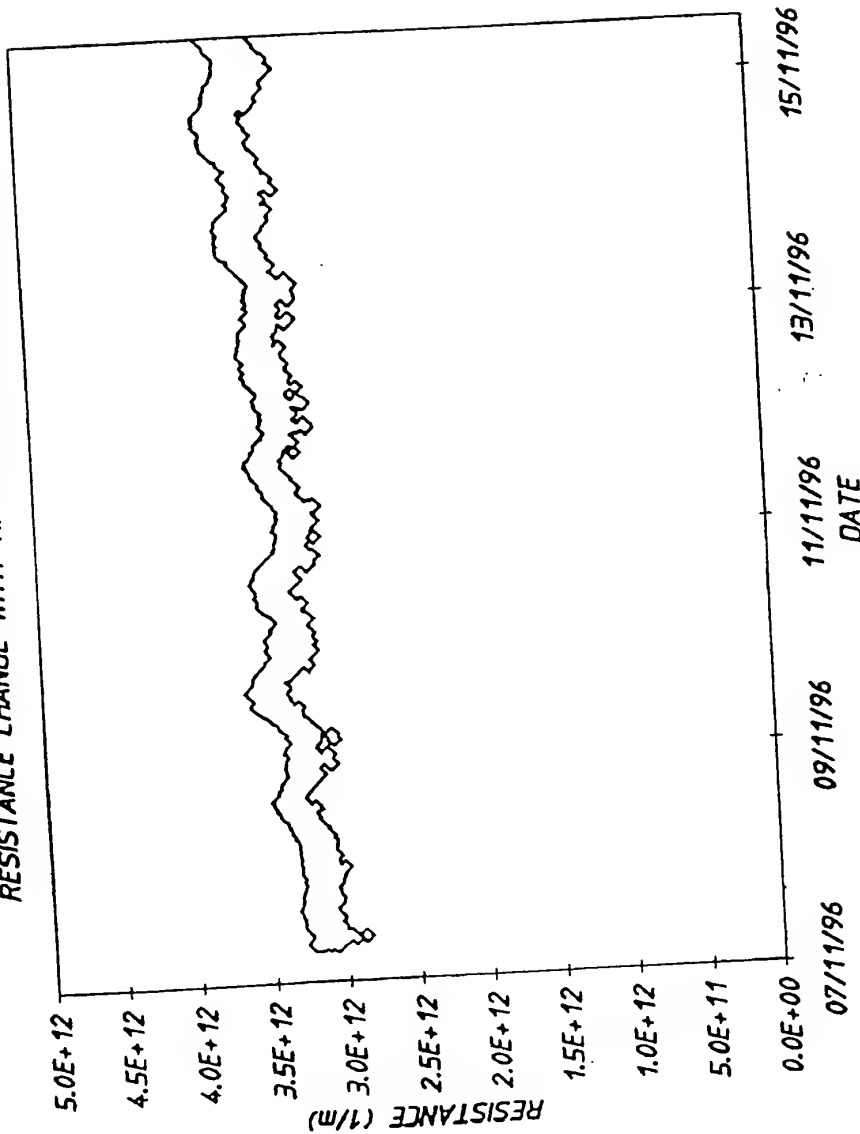


FIG.10

RESISTANCE CHANGE WITH TIME WITH POROUS SHEET

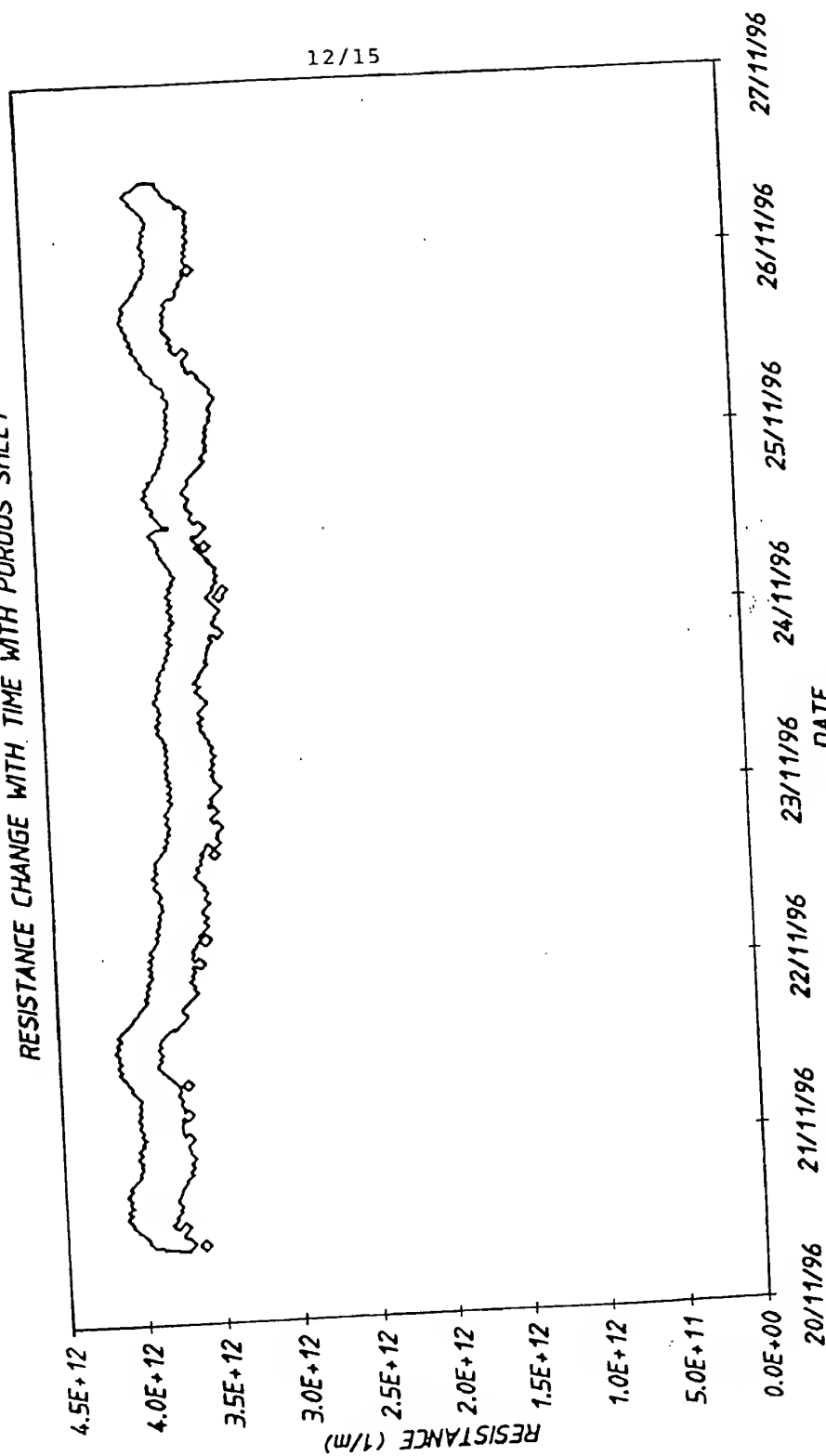


FIG. 11

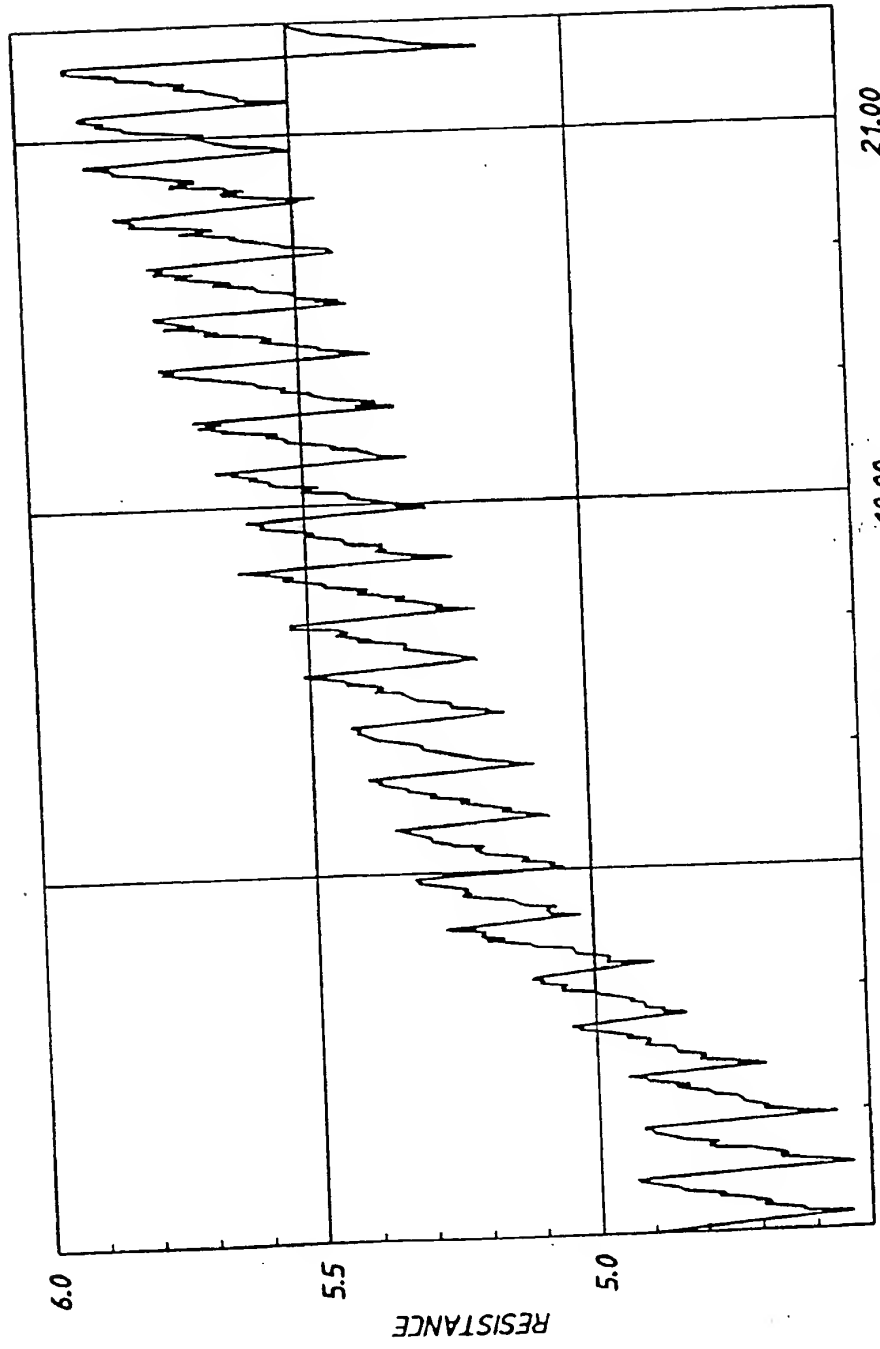


FIG. 12

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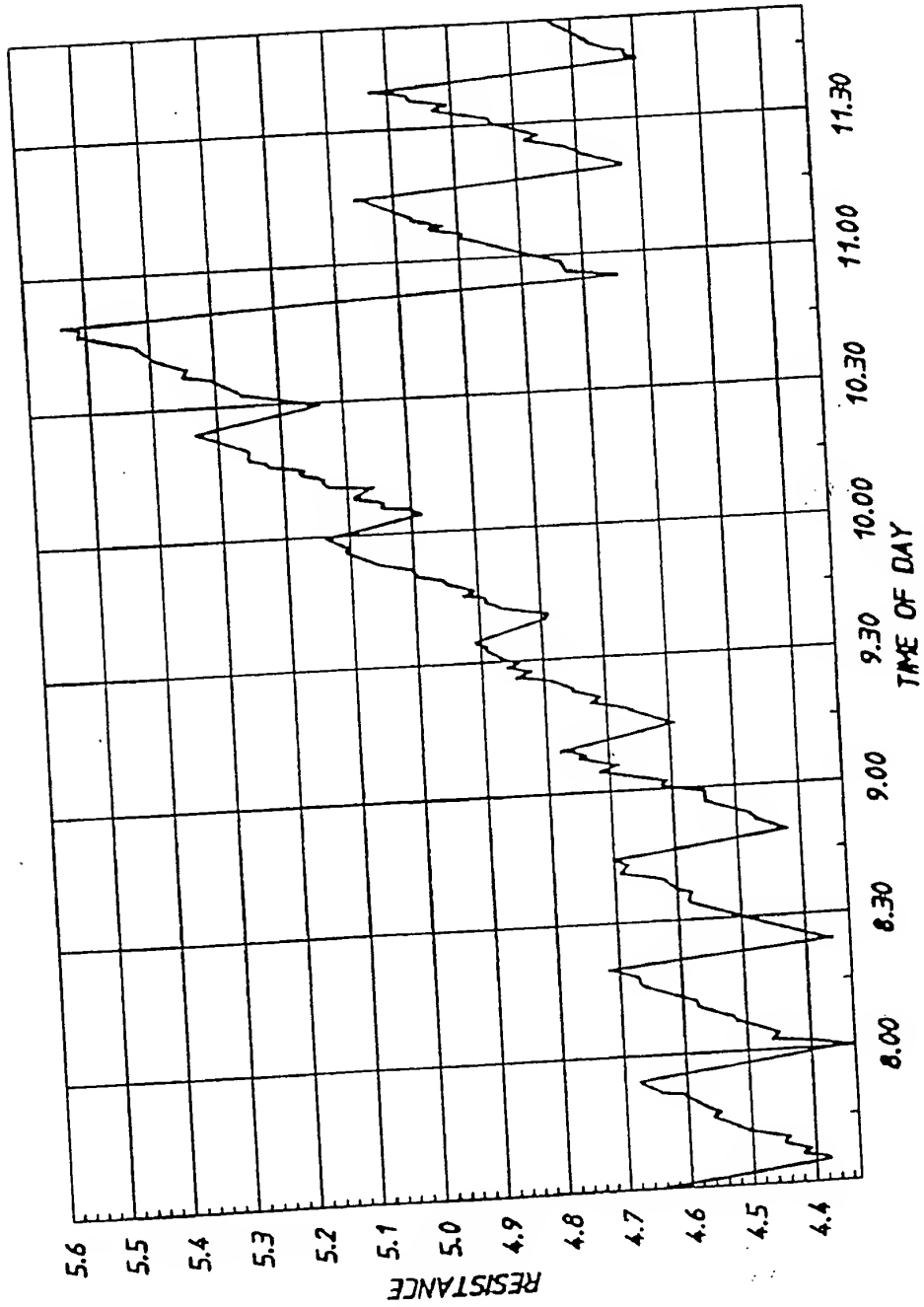


FIG. 13

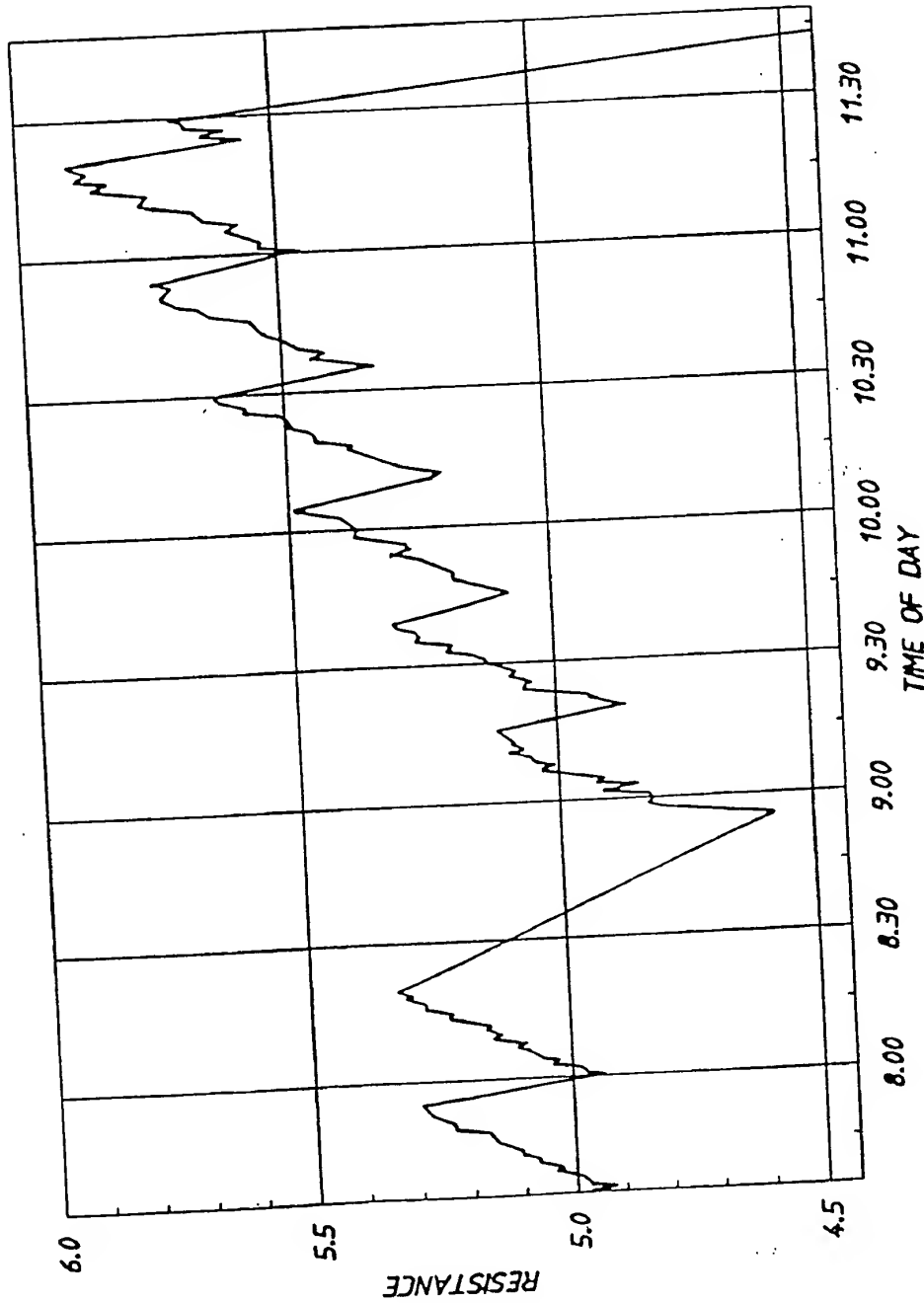


FIG. 14

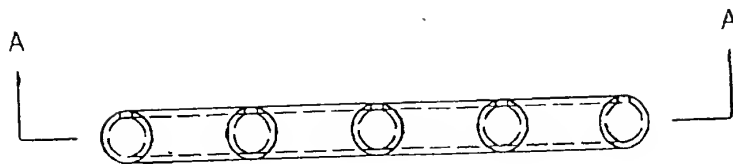


Figure 15a.

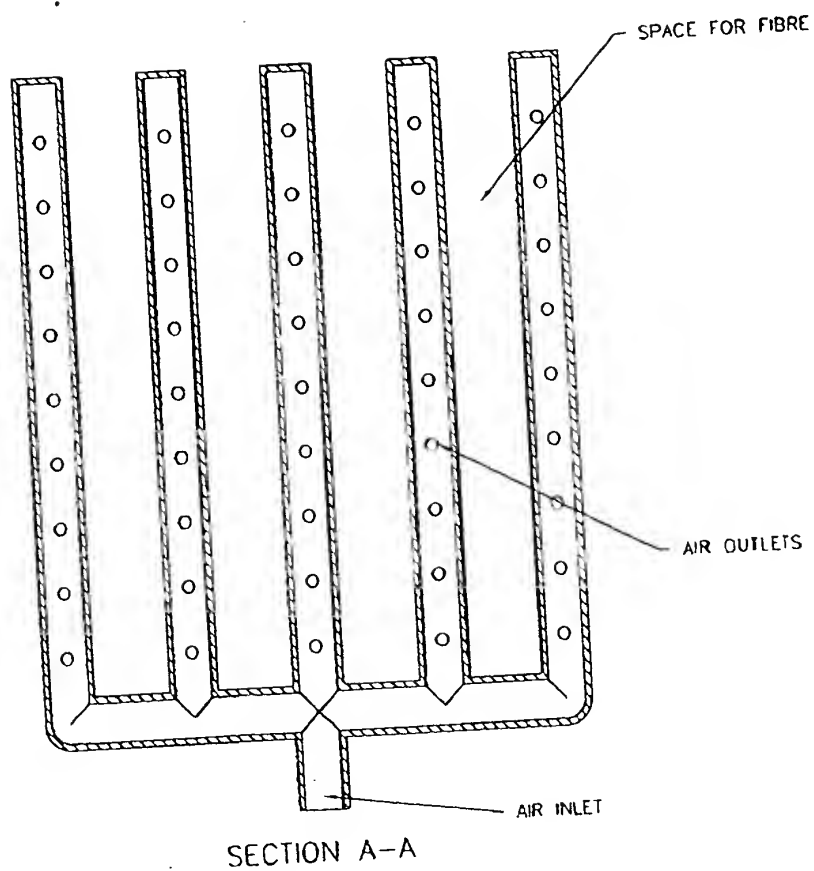


Figure 15b.

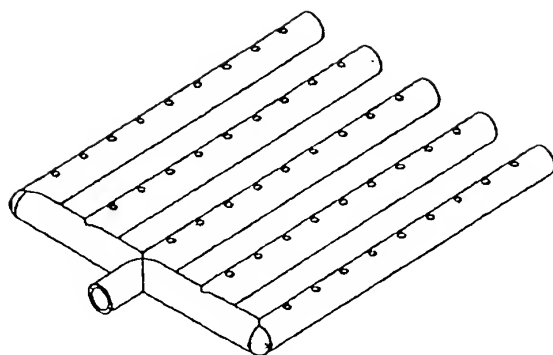


Figure 15c.